

ABSTRACT

A method and apparatus for performing error diffusion of a multiresolutional representation of an image is disclosed herein. In one embodiment, an image is received as a pixel representation. The image is converted from a pixel representation to a multiresolutional representation having multiresolutional coefficients. Each multiresolutional coefficient is quantized and an error is passed to one or more other multiresolutional coefficients as specified by an error filter. Finally, the resulting quantized image is produced as output.